

Revisions					216389	H
LAL	Rev.	Description	Chk	Date	Approved	
	A	ENGRG RELEASE	<i>FW</i>	<i>BN</i>	<i>R. Freeman</i>	
	B	REVISED	<i>FW</i>	<i>BN</i> 6-14-76	<i>R. Freeman</i>	
	C	REVISED RESET MODE REGISTER LOGIC	<i>BN</i>	7-19-76	<i>R. Freeman</i>	
	D	M/L ITEM 11 8T10 WAS 74173. SH 9 A14,15,16,17 8T10 WAS 74173. SH 11 A46, 47 8T10 WAS 74173.	<i>BN</i>	10-22-76	<i>R. Freeman</i>	
	E	M/L ITEM 41 ADDED R20, QTY WAS 1.	<i>BN</i>	4-10-77	<i>R. Freeman</i>	
	F	M/L ITEM 31 P/N WAS K1100A.	<i>BN</i>	1-16-78	<i>R. Freeman</i>	
X	G	REVISED SH 7 & 18, ADDED NOTE 1E-1H.	<i>BN</i>	3-27-78	<i>R. Freeman</i>	
X	H	DELETED NOTE 1	<i>BN</i>	5-16-78	<i>R. Freeman</i>	

THIS DOCUMENT CONTAINS 18 SHEETS

Dist Code SPG

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Notes Unless Specified

- Tolerances  
.XX  $\pm .03$  Angular  $\pm \frac{1}{2}^\circ$   
.XXX  $\pm .010$
- Break All Sharp Edges  
.010 Approx.
- Mach. Surfaces ☒
- All Dim. in Inches

Drawn *W. T. Ke*  
Check *Med. L. L. L.*  
Appr. *R. Freeman* 6-15-76  
Material

Xerox Corporation  
El Segundo, California

**XEROX**

Title  
**ALTO II  
ASSEMBLY, PRINTED WIRING-  
DISK CONTROL**

Model No.  
First Use **ALTO II  
EWO 7YF 92**

Finish

Code Ident.

**18338**

Size

**A**

Dwg. No.

**216389**

Change  
Letter

**H**

Next Assy.  
First Use  
**216302**

Scale

Do Not Scale Drawing

Sheet

**1**

NOTES: UNLESS OTHERWISE SPECIFIED

1. ~~CUT ETCH AND ADD JUMPER AS FOLLOWS:~~

- ~~A. CUT ETCH BETWEEN A11-13 AND FEED THRU (NEAR C22),  
(COMPONENT SIDE), (FEED THRU CONNECTS TO PIN 70).~~
- ~~B. CUT ETCH BETWEEN A11-10 AND A11-13, (CIRCUITRY SIDE).~~
- ~~C. ADD JUMPER FROM A11-10 TO FEED THRU (NEAR C22),  
(FEED THRU CONNECTS TO PIN 70).~~
- ~~D. ADD JUMPER FROM PIN 73 TO A11-13.~~
- ~~E. CUT ETCH BETWEEN A67-1 AND A67-5 (ETCH SIDE).~~
- ~~F. CUT ETCH BETWEEN A67-1 AND A67-15 (COMP. SIDE UNDER I.C. SOCKET).~~
- ~~G. ADD JUMPER FROM A67-5 TO A67-15 (ETCH SIDE).~~
- ~~H. ADD JUMPER FROM A67-1 TO A1-1 (ETCH SIDE).~~

2. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPEC, DWG NO. 216207.

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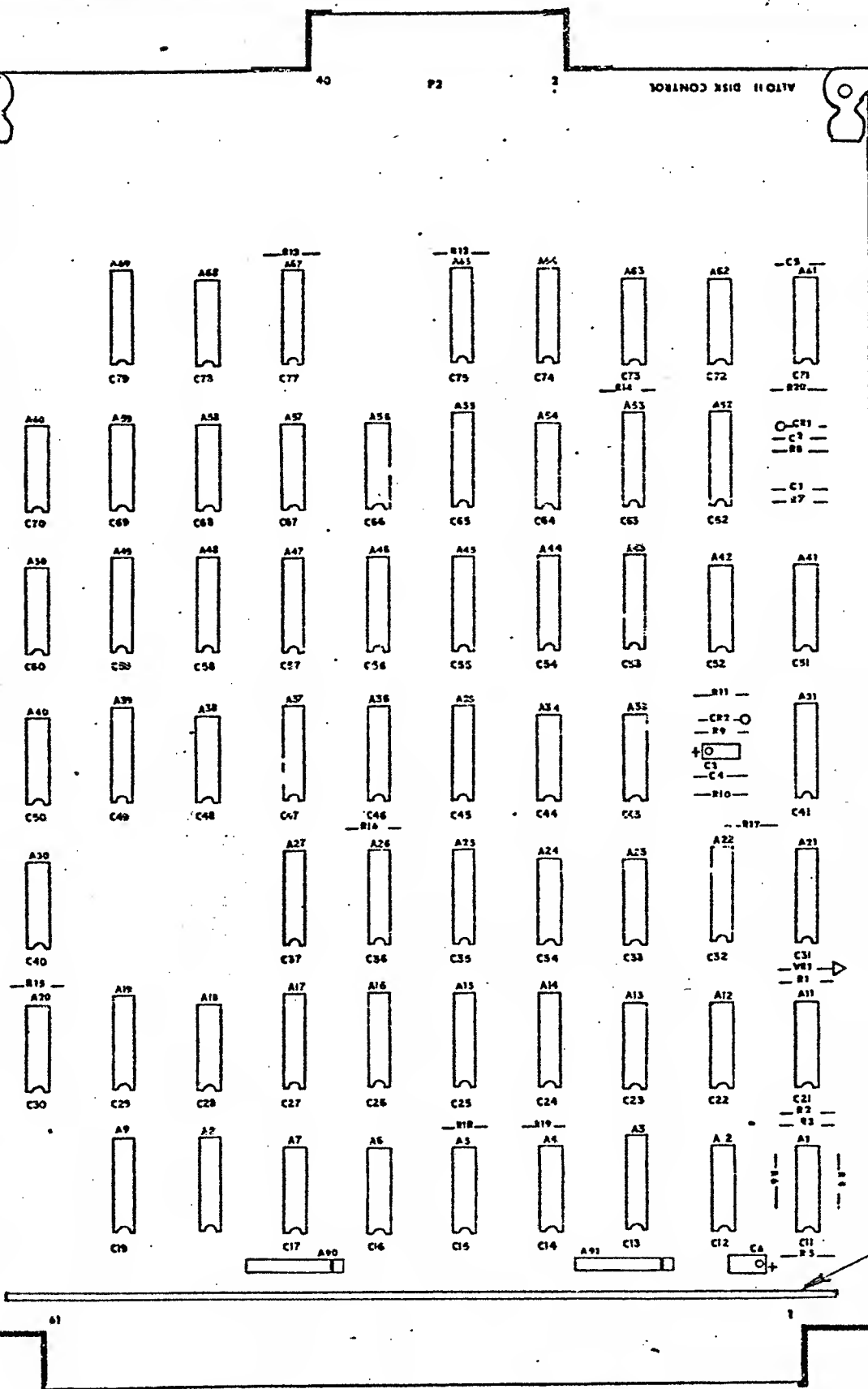
216389

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AST NO. 316389

PWB NO. 216391



59  
58  
2 PLACES

60

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Material List

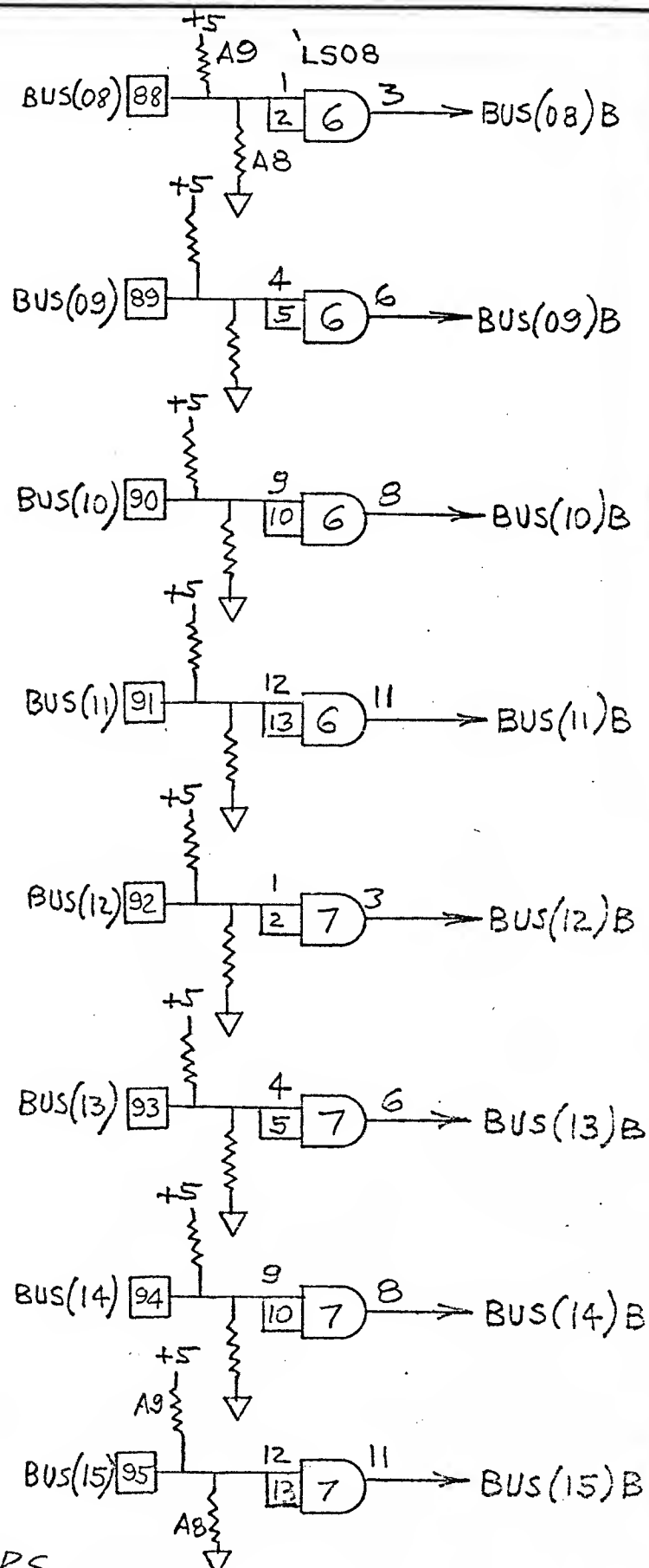
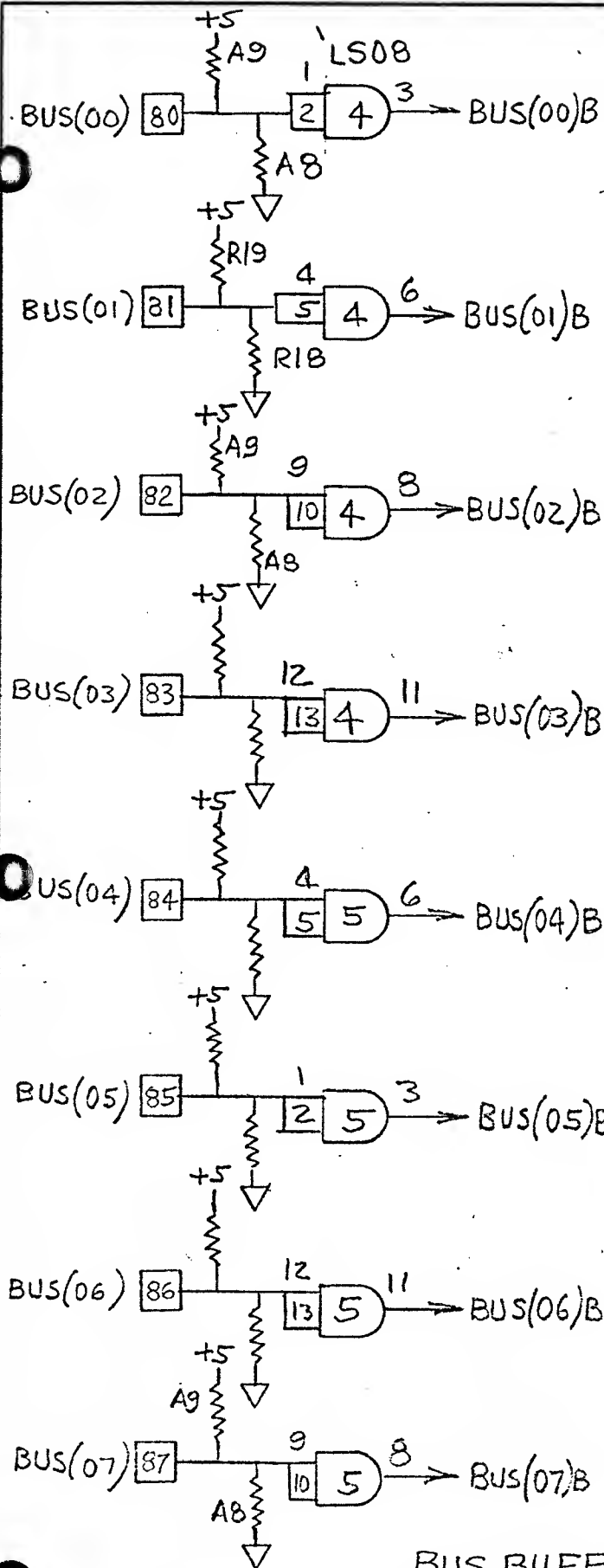
Rev. 0	Drawing Title <b>ALTO II</b>		These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.		
	ASSEMBLY, PRINTED WIRING-DISK CONTROL		Model No. <b>ALTO II</b>	Date <b>6/14/76</b>	
		Sheet <b>4 of</b>			
Drawing No. <b>216389</b>	Item No.	Drawing Title	Drawing No.	No. Req.	Remarks
ML	1	BOARD, PRINTED WIRING	216391	1	
	2	SPEC, TEST	216390	REF	
	3	SPEC, MODULE ASSEMBLY	216207	REF	
	4	MICROCIRCUIT, MPQ3303		1	A1
	5	74H04		3	A2, 56, 59
	6	3205		1	A3
	7	74LS08		4	A4, 5, 6, 7
	8	74H00		1	A11
	9	74S04		1	A12
	10	74164		2	A13, 18
	11	8T10		6	A14, 15, 16, 17, 46, 47
	12	74166		2	A19, 39
	13	7437		5	A20, 30, 40, 58, 68
	14	74109		8	A21, 22, 43, 44, 45, 53, 55, 67
	15	74S32		2	A23, 57
	16	7438		2	A24, 34
	17	74174		3	A25, 26, 27
	18	74123		2	A31, 52
	19	7400		2	A33, 63
	20	I3404		1	A35
	21	74195		2	A36, 37
	22	74H08		2	A38, 42
	23	74H11		1	A41
	24	8231		2	A48, 49
	25	74H01		2	A50, 60
	26	74S02		1	A54
	27	7414		1	A61
	28	74H106		1	A64
	29	74153		1	A65
	30	MICROCIRCUIT, 74161		1	A69
	31	OSCILLATOR, K1100A 3.33 MH		1	A62
	32				

Material List

ML	Drawing No. 216389	Rev. H
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Rev.	Drawing Title <b>ALTO II</b> <b>ASSEMBLY, PRINTED WIRING-</b> <b>DISK CONTROL</b>	These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.		
	Model No. <b>ALTO II</b>	Date 6/14/76	Sheet 5 of	

Item No.	Drawing Title	Drawing No.	No. Req.	Remarks
33	RESISTOR, NETWORK, DIP, 270Ω (AB#316A271)		1	A9
34	RESISTOR, NETWORK, DIP, 560Ω (AB#316A561)		1	A8
35	RESISTOR, NETWORK, 470Ω, (CTS #750-81-R470)		2	A90, 91
36	RESISTOR, FILM, 39Ω ±5%, 1/4W	116447-390	2	R1, R2
37	200 Ω ±5%, 1/4W	116447-201	5	R3, 4, 5, 6, 12
38	24K ±5%, 1/4W	116447-243	2	R7, 8
39	15K ±5%, 1/4W	116447-153	1	R9
40	30K ±5%, 1/4W	116447-303	1	R10
41	330 Ω ±5%, 1/4W	116447-331	2	R11, R20
42	560 Ω ±5%, 1/4W	116447-561	1	R18
43	270 Ω ±5%, 1/4W	116447-271	1	R19
44	RESISTOR, FILM, 1K ±5%, 1/4W	116447-102	5	R13, 14, 15, 16, 17
45				
46	DIODE, IN4148		2	CR1, CR2
47	DIODE, ZENER, IN5227		1	VR1
48				
49	CAPACITOR, 150PF NYTRONICS DC151		1	C1
50	CAPACITOR, .01μF		2	C2, C4
51	CAPACITOR, .47μF ±20%, 50V	114491-474	1	C3
52	CAPACITOR, 270PF NYTRONICS DC 271		1	C5
53	CAPACITOR, TANT., 22μF ±20%, 15V	114491-226	1	C6
54	CAPACITOR, .05μF, 10V CENTRALAB#UK10-503		62	C11-17, 19, 21-37, 40, 41, 43-60, 62-75, 77-79
55				
56	SOCKET, MICROCIRCUIT		31	AUGAT#514-AG10D
57	SOCKET, MICROCIRCUIT		32	AUGAT#516-AG10D
58	RIVET	156111-005	2	
59	EXTRACTOR	216250	2	
60	STIFFENER	216242	1	



### BUS BUFFERS

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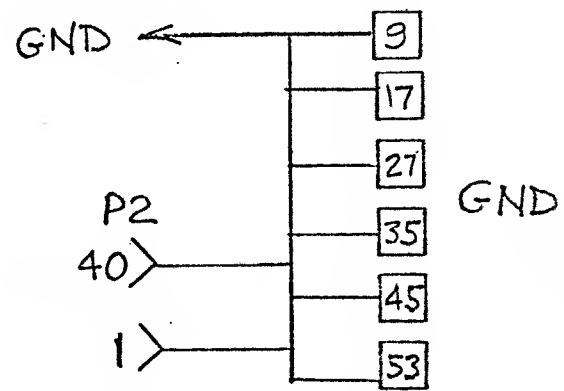
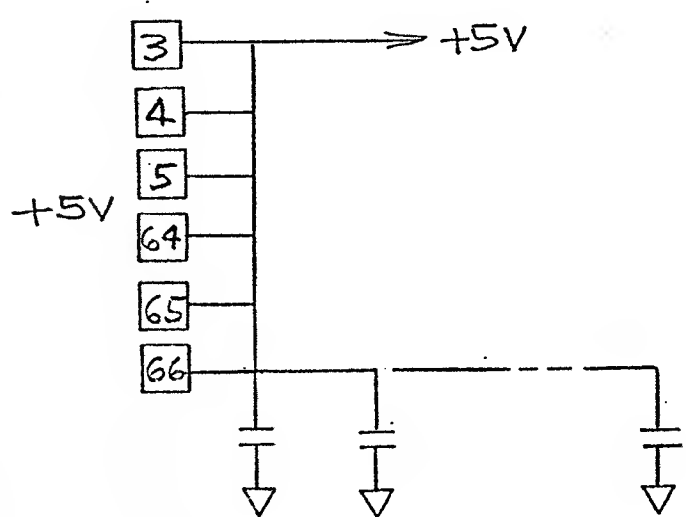
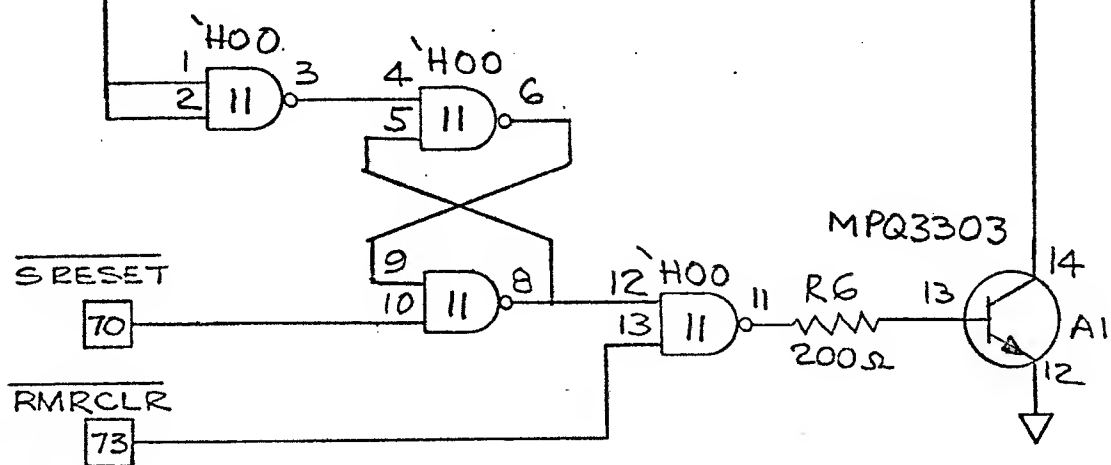
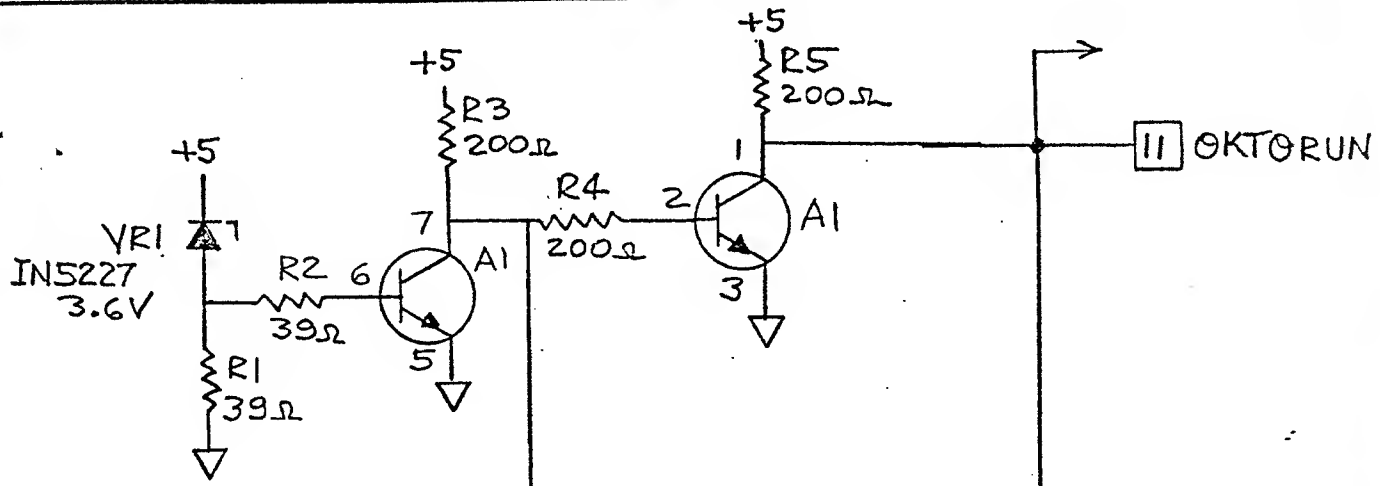
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POWER ON RESET

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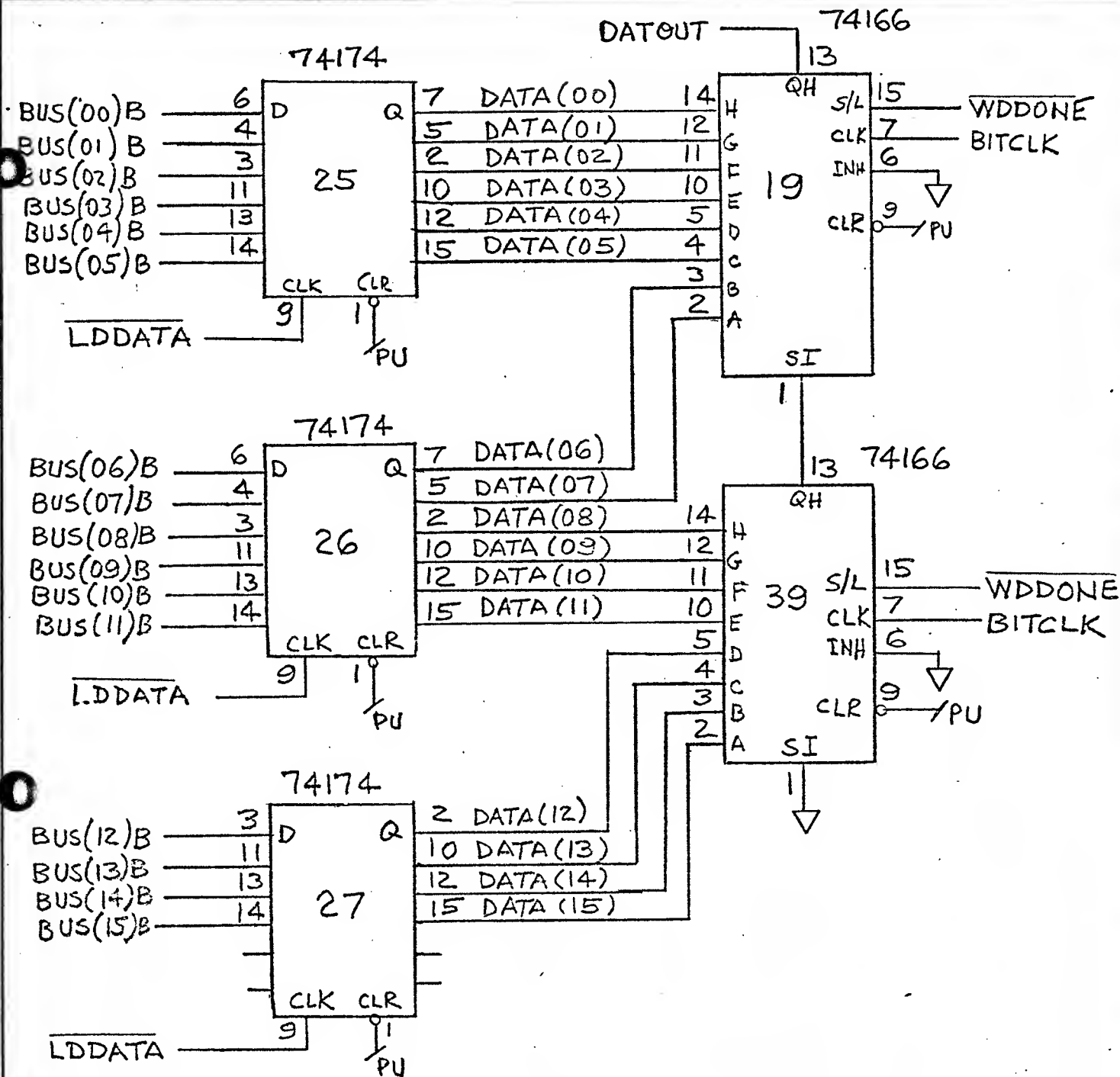
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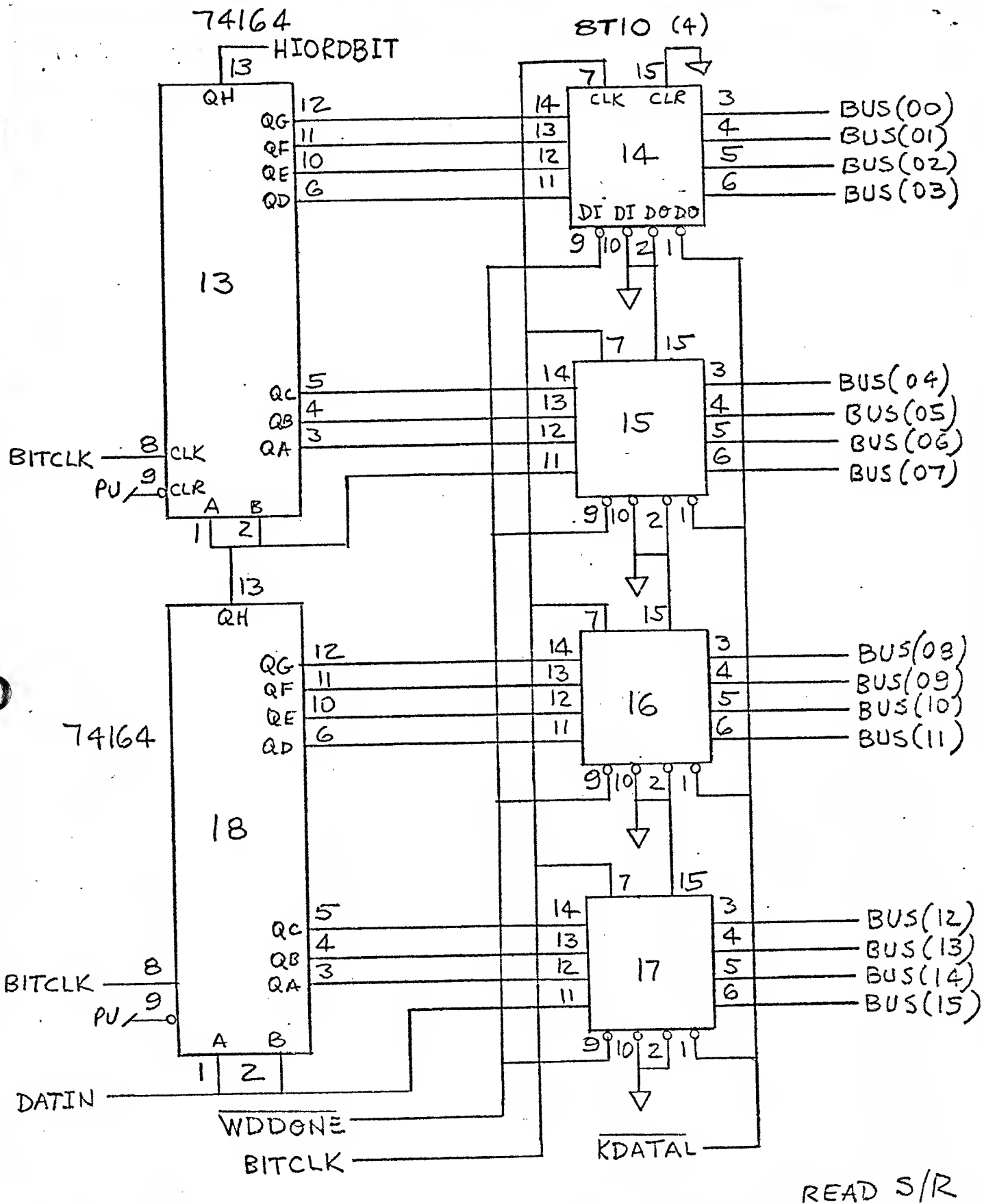
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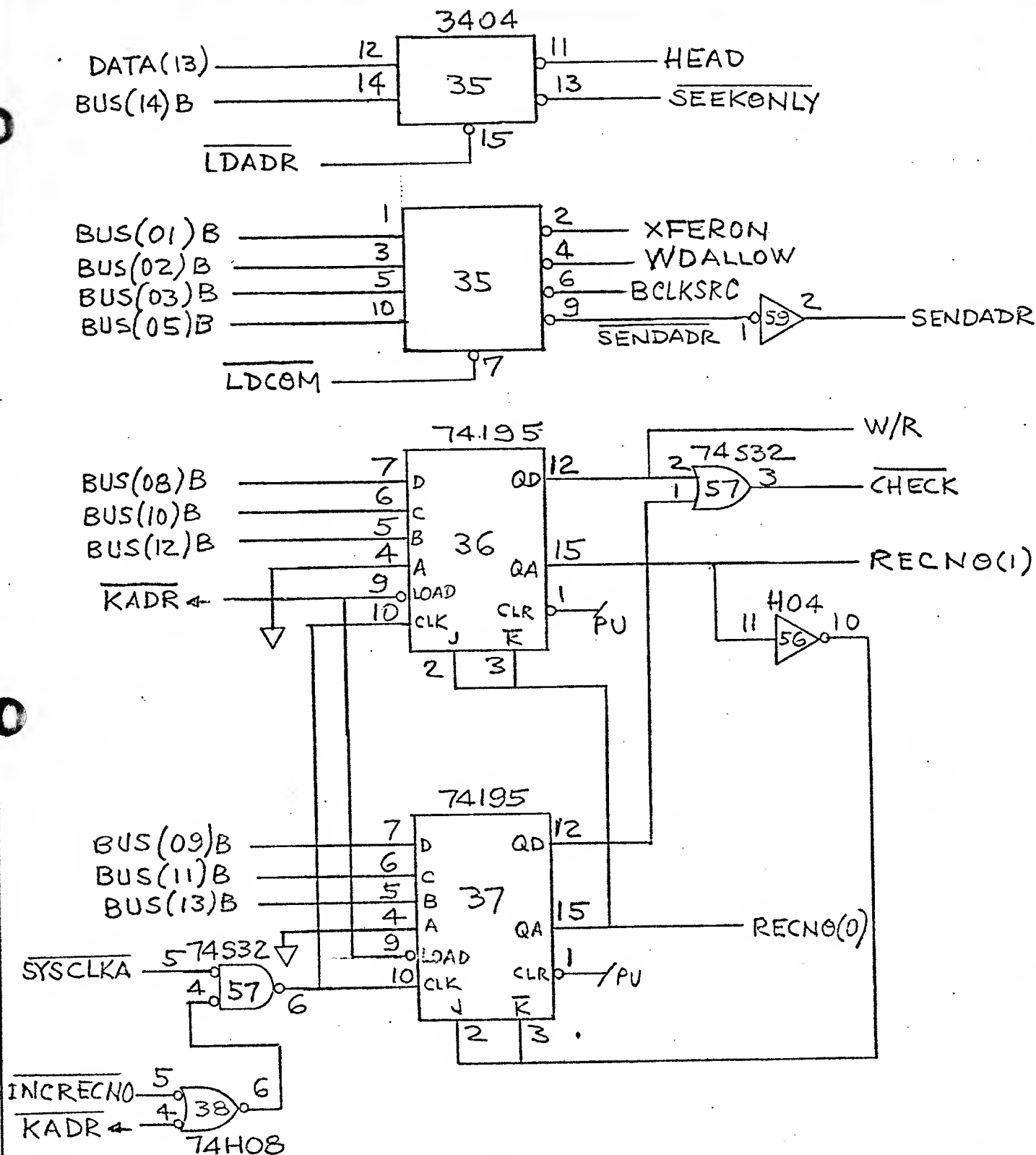
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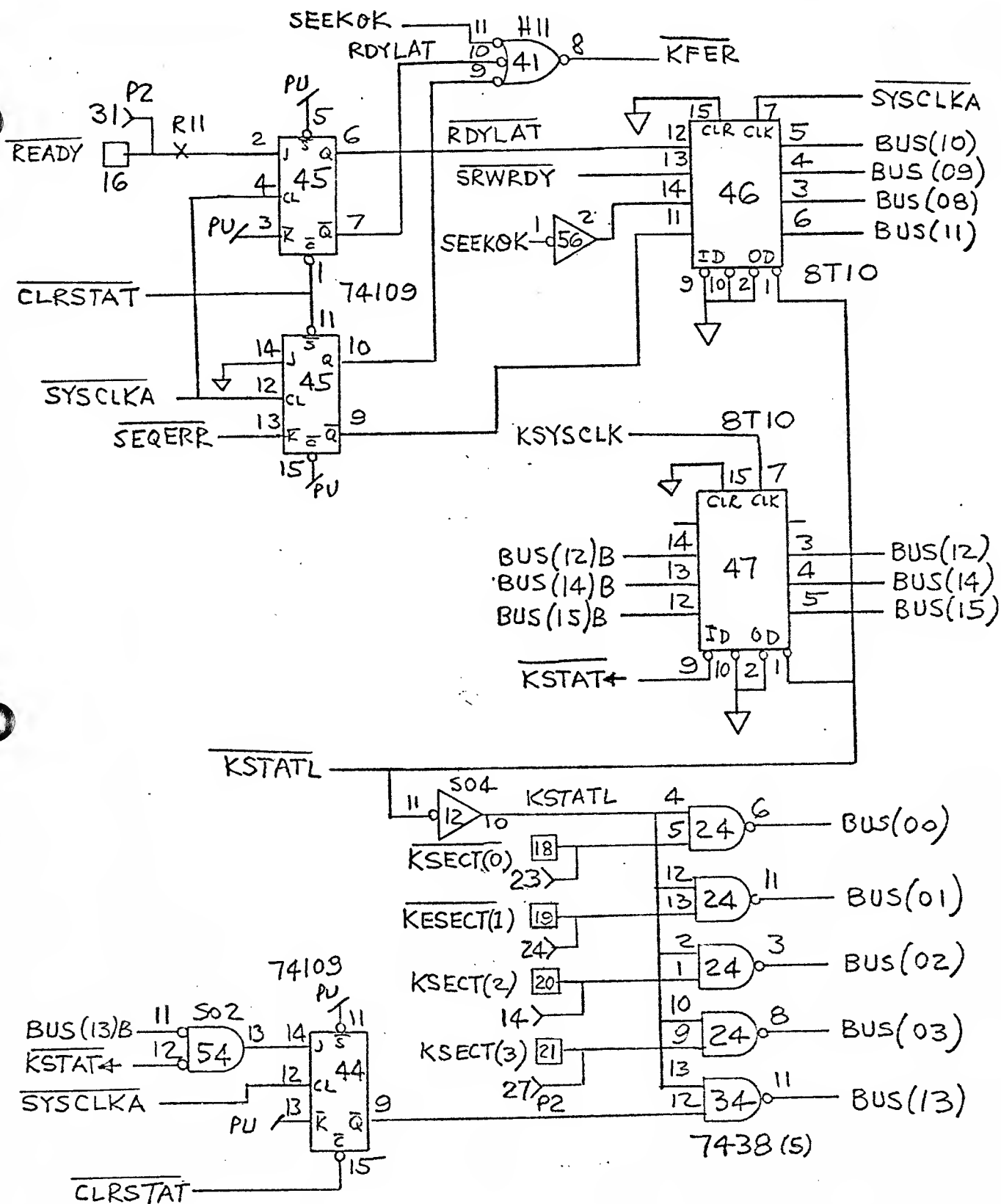
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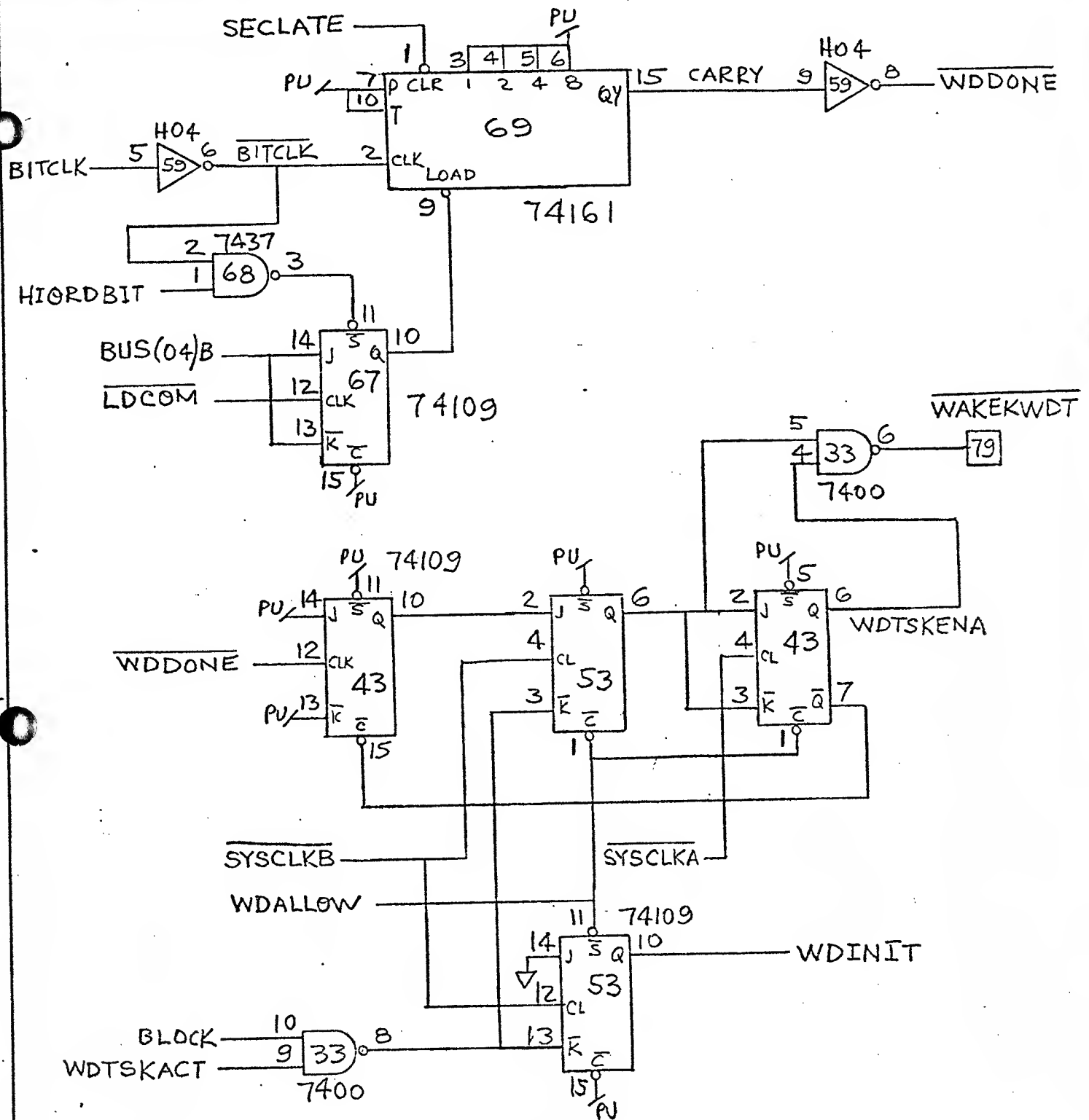
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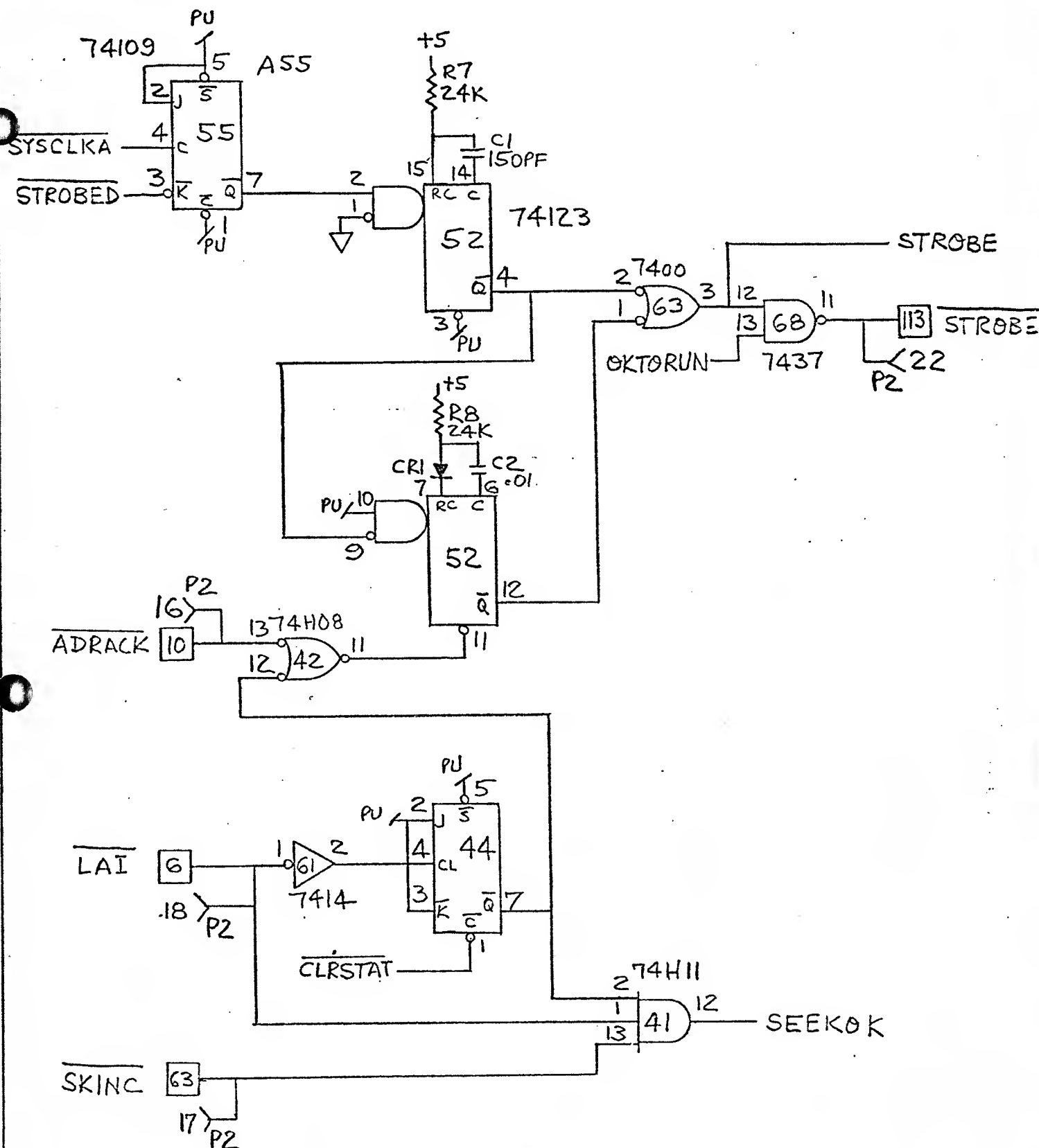
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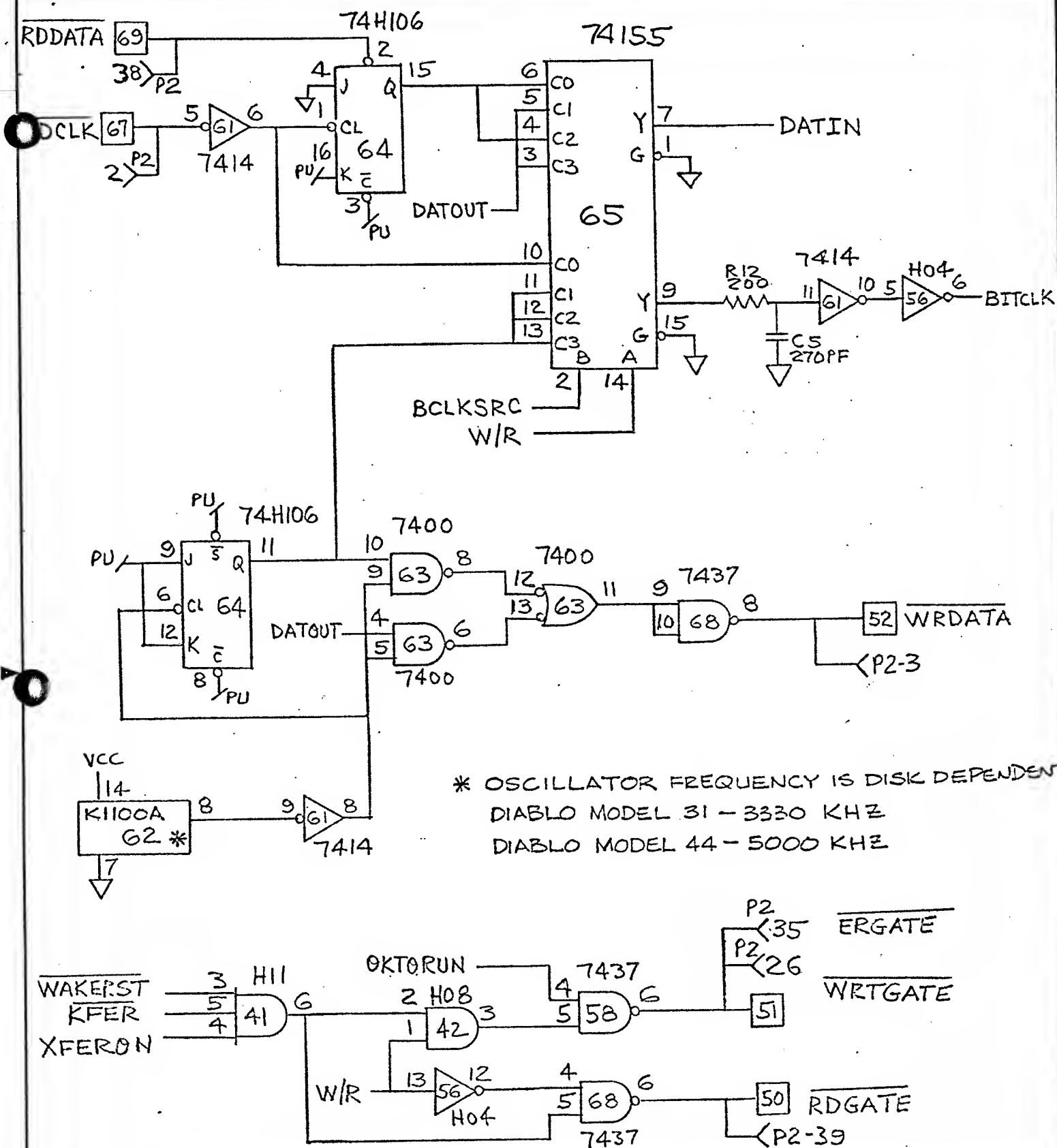
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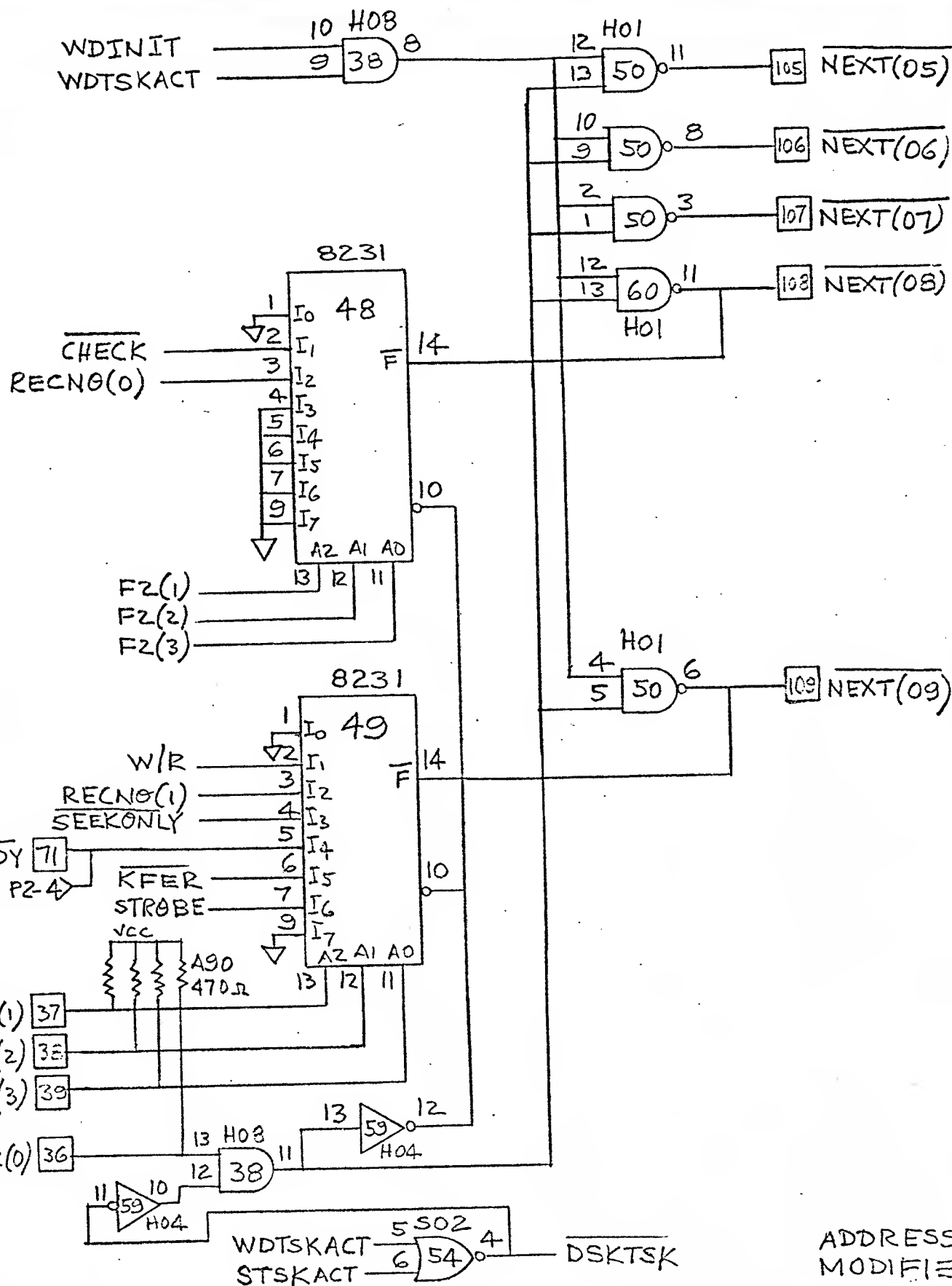
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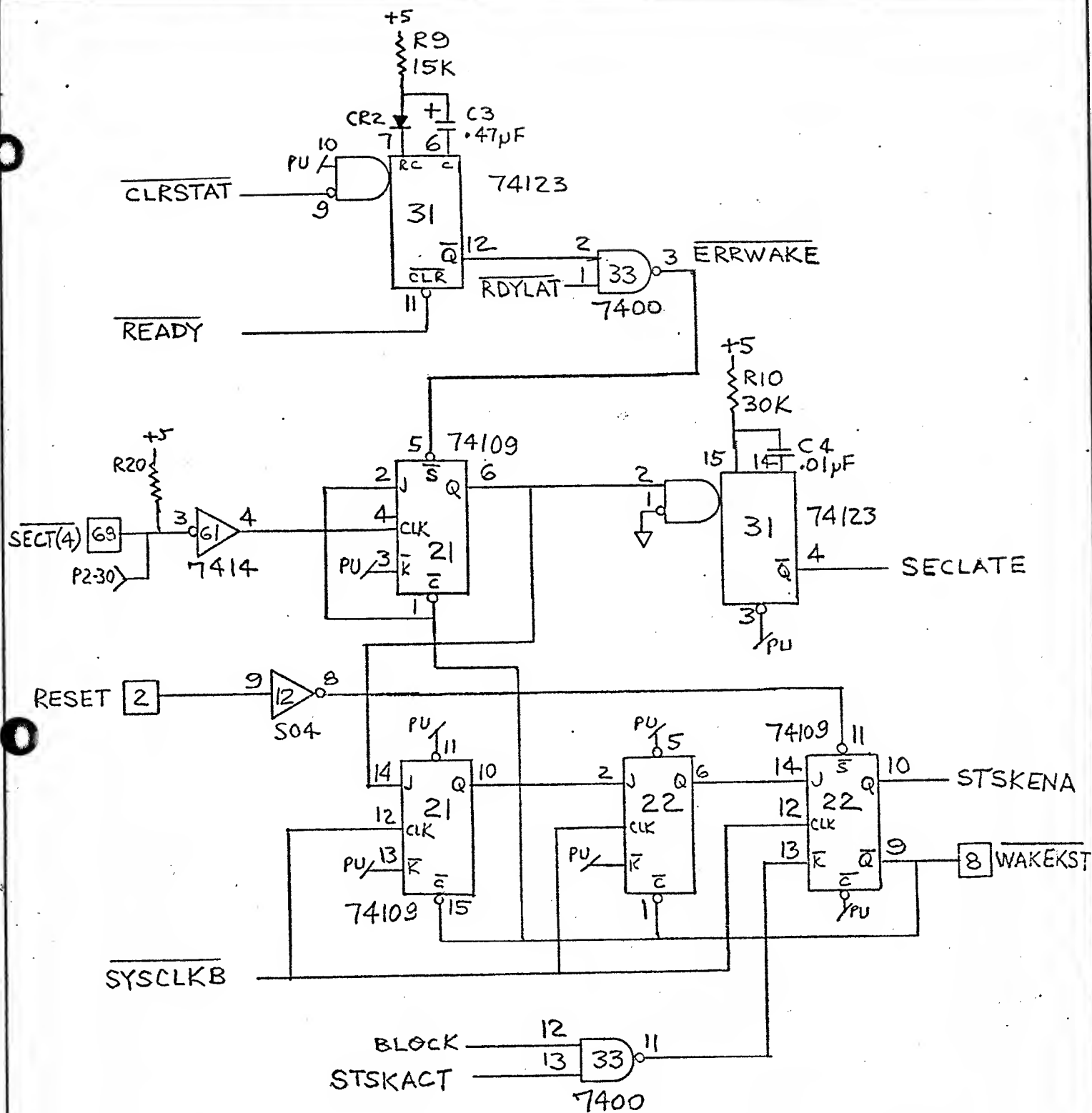
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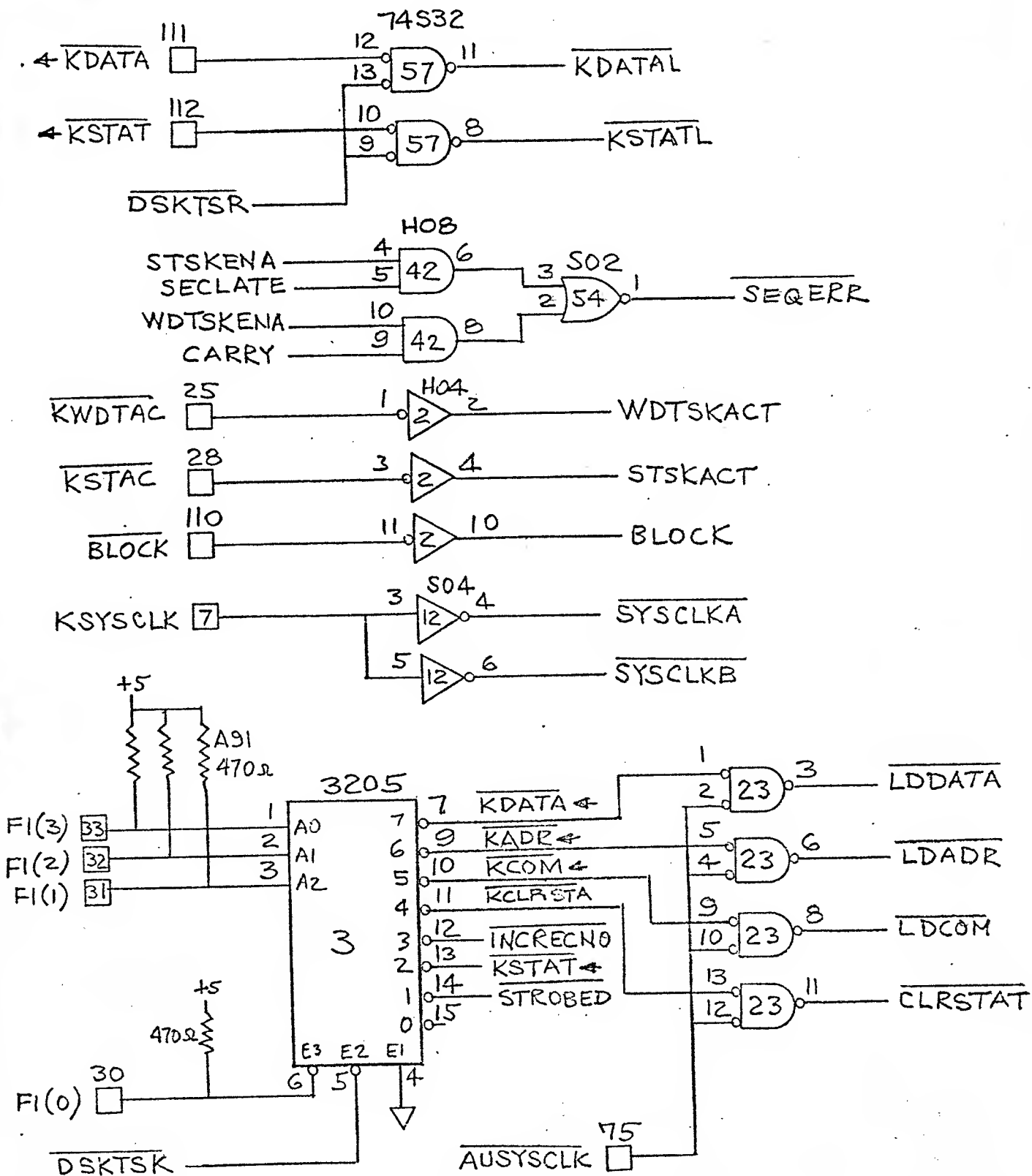
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F DECODE, CLOCKS

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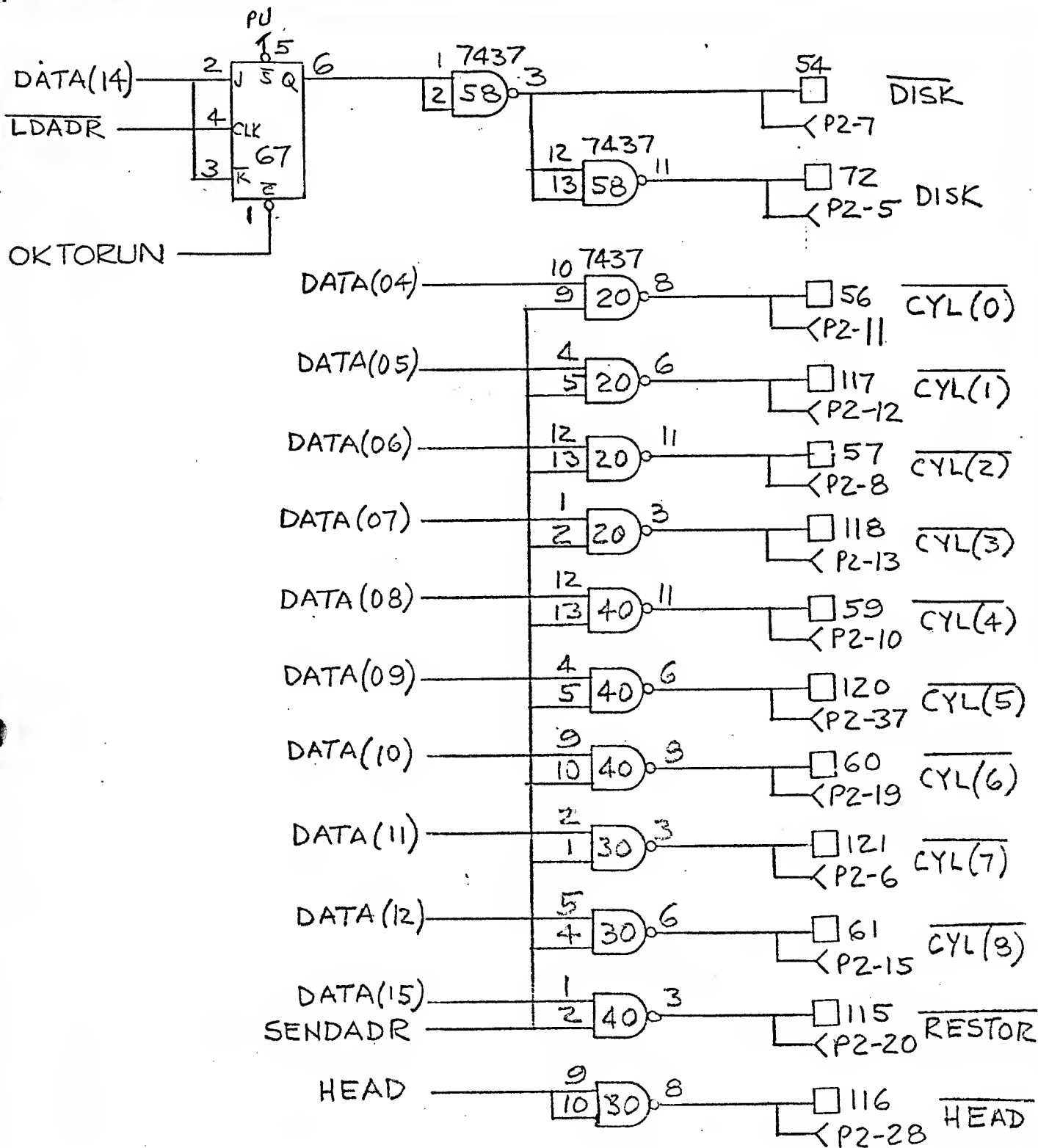
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